

terminal having a body including a holding section
configured to hold an antenna structure and a mobile
terminal circuit section housed in said body,
comprising:

5 a first antenna element extending substantially
linearly;

 an antenna support mechanism configured to support
the first antenna element, arranged within an antenna
holding section, and to permit the first antenna
10 element to be withdrawn from the body of a mobile
terminal and to be returned into said body so as to be
housed in said body;

 a flexible substrate mounted within said holding
section and arranged around said first antenna element
15 withdrawn from said body;

 a second antenna pattern formed bent on said
flexible substrate;

 a matching circuit configured to match the
impedance of said second antenna element with the
20 impedance of the mobile terminal section of the second
antenna pattern; and

 a capacitive coupling element configured to couple
the first antenna element and the second antenna
pattern with said matching element.

25 5. The antenna structure according to claim 4,
wherein said matching circuit is formed on said
flexible substrate.

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6. The antenna structure according to claim 4,
wherein said capacitive coupling element couples said
first antenna element with said matching circuit when
said first antenna element is withdrawn from said body,
5 and releases the capacitive coupling between said first
antenna element and said matching circuit when the
first antenna is housed in said body.

7. The antenna structure according to claim 4,
wherein said capacitive coupling element couples said
10 second antenna pattern with said matching circuit when
said first antenna element is housed in said body.

8. A mobile terminal, comprising:

a first antenna element extending substantially
linearly along an antenna axis;

15 a body including a housing section for housing
said first antenna element;

an antenna support mechanism configured to support
said first antenna element, housed in said housing
section, and to permit said first antenna element to be
20 withdrawn from the body of a mobile terminal along the
antenna axis and to be retracted into said body along
the antenna axis so as to be housed in said body;

a flexible substrate mounted within said housing
section and arranged around said first antenna element
25 withdrawn from said body;

a second antenna pattern formed bent on said
flexible substrate;

a mobile terminal circuit mounted within said body and configured to receive and transmit a mobile terminal signal through said first antenna element and said second antenna pattern;

5 a matching circuit element configured to substantially match the impedance of said second antenna pattern with the impedance of the mobile terminal circuit; and

10 a capacitive coupling element configured to couple the first antenna element and the second antenna pattern with said matching circuit by a capacitive coupling.

15 9. The mobile terminal according to claim 8, wherein said matching circuit element is formed on said flexible substrate.

20 10. The mobile terminal according to claim 8, wherein said capacitive coupling element couples said first antenna element with said matching circuit when said first antenna element is withdrawn from said body, and opened the capacitive coupling between the first antenna element and said matching circuit when the first antenna element is housed in said body.

25 11. The mobile terminal according to claim 8, wherein said capacitive coupling element couples said second antenna pattern with said matching circuit when said first antenna element is housed in said body.

12. The mobile terminal according to claim 8,

wherein said body has front and rear sides, and a loud speaker configured to reproduce a sound from the front side of said body and said flexible substrate are arranged on the rear side relative to an antenna axis.

5 13. A mobile terminal, comprising:

 a flexible substrate;

 a body including a housing section for housing said flexible substrate, said housing section protruding from said body along a first reference axis;

10 an antenna pattern formed on said flexible substrate, said antenna pattern extending in a meandering fashion along a second reference axis, and said first and second reference axes forming an angle falling within a range of between 45° and 90°;

15 a mobile terminal circuit housed in said body and configured to receive and transmit a mobile terminal signal through said antenna pattern;

 a matching circuit element configured to substantially match the impedance of said antenna pattern with the impedance of the mobile terminal circuit section; and

20 a capacitive coupling element configured to couple the second antenna pattern with said matching circuit.

25 14. The mobile terminal according to claim 13, wherein said angle is substantially equal to 60°.

 15. The mobile terminal according to claim 13, further comprising:

a second antenna element extending substantially linearly; and

an antenna support mechanism configured to support said second antenna element, arranged in a housing section, and configured to permit said second antenna element to be withdrawn from the body of the mobile terminal along said first reference axis and returned into said body along said first reference axis so as to be housed, said flexible substrate being arranged around said second antenna element withdrawn from said body.